



## WATER MANAGEMENT DIVISION MONTHLY REPORT

### Information Exchange Bulletin

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### RESERVOIR OPERATION AND SYSTEM STATUS FOR FEBRUARY 2001

**HIGHLIGHTS** – Cairo began the month at 18.9 feet and ended at 43.1 feet. Normal stage for February is 31 feet. Cairo stage was still rising slowly at end of month.

**WEATHER** –The weather during February was very warm with varied precipitation. Temperatures were 4 to 6 degrees above normal for the month, which resulted in the melting of all snow cover. Precipitation was below average in Ohio, Pennsylvania and West Virginia continuing the trend of January. However, a series of heavy rainfalls brought well above normal precipitation for Illinois, northern Indiana, Kentucky and Tennessee for the month.

### TEMPERATURE AND PRECIPITATION – FEBRUARY 2001

STATION	TEMPERATURE		PRECIPITATION	
	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	35.1	+6.4	1.09	-1.30
Charleston, WV	40.5	+5.0	1.90	-1.26
Columbus, OH	35.3	+5.7	1.37	-0.87
Cincinnati, OH	37.0	+5.2	1.81	-0.88
Louisville, KY	41.1	+5.4	3.42	+0.12
Indianapolis, IN	34.6	+5.0	1.96	-0.50
Evansville, IN	39.3	+4.4	3.26	+0.24
Nashville, TN	44.7	+4.3	8.54	+4.73

**STREAMFLOW** -- Ohio River monthly average flows for February ranged from a low of 88

percent of normal at Huntington, WV and Cincinnati, OH to a high of 118 percent of normal at Pittsburgh, PA. Daily flows ranged from a low of 38 percent of normal at Paducah, KY to a high of 203 percent of normal at Pittsburgh, PA.

The following table presents the flow data summary for February at the Ohio River Index Stations:

**FLOW DATA – FEBRUARY 2001**

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
	CUBIC FEET/SECOND		HIGH	LOW
Pittsburgh, PA	57,789	118	203	61
Huntington, WV	113,570	88	183	43
Cincinnati, OH	145,320	88	170	45
Louisville, KY	178,960	92	174	51
Evansville, IN	213,040	92	159	46
Paducah, KY	429,210	90	156	38

**RESERVOIRS** -- February started with 2.5% utilization of the total system flood control storage and ended the month at 4.1%. System-wide augmentation storage increased from 96.0% at the beginning of the month to 99.6% by the end of the month. Significant flood storage utilization in excess of 25% occurred at Tygart, Union City and J.P. Priest reservoirs during the month of February.

The following table depicts storage change by tributary reservoir subsystem for February:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	+48,100
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	+9,200
Twelvepole-Big Sandy-Little Sandy-Scioto	-2,000
Little Miami-Licking-Mill Creek-Great Miami	+11,800
Kentucky-Salt-Green-Wabash	+172,700

Cumberland	+1,518,200
<b>TOTAL</b>	<b>+1,758,000</b>

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